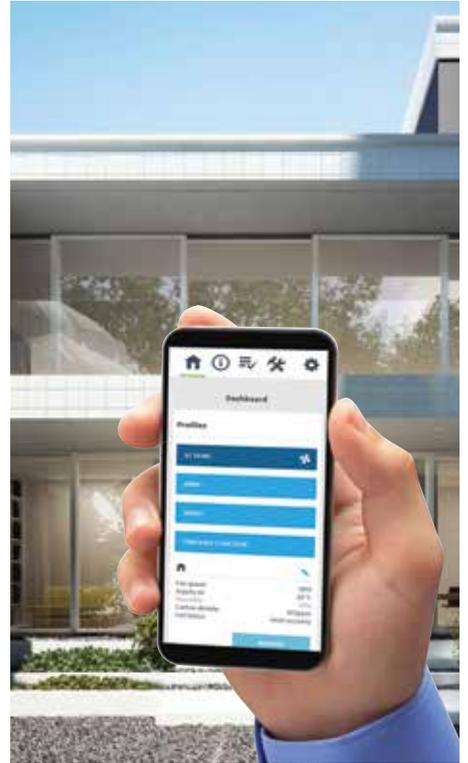


# Ventilation Solutions

**DUPLEXVENT**  
**Adroit™**



## Smart Digital Controller and Sensors



**HEAT**



**RECOVERY**



**VENTILATION**

**AIRFLOW®**

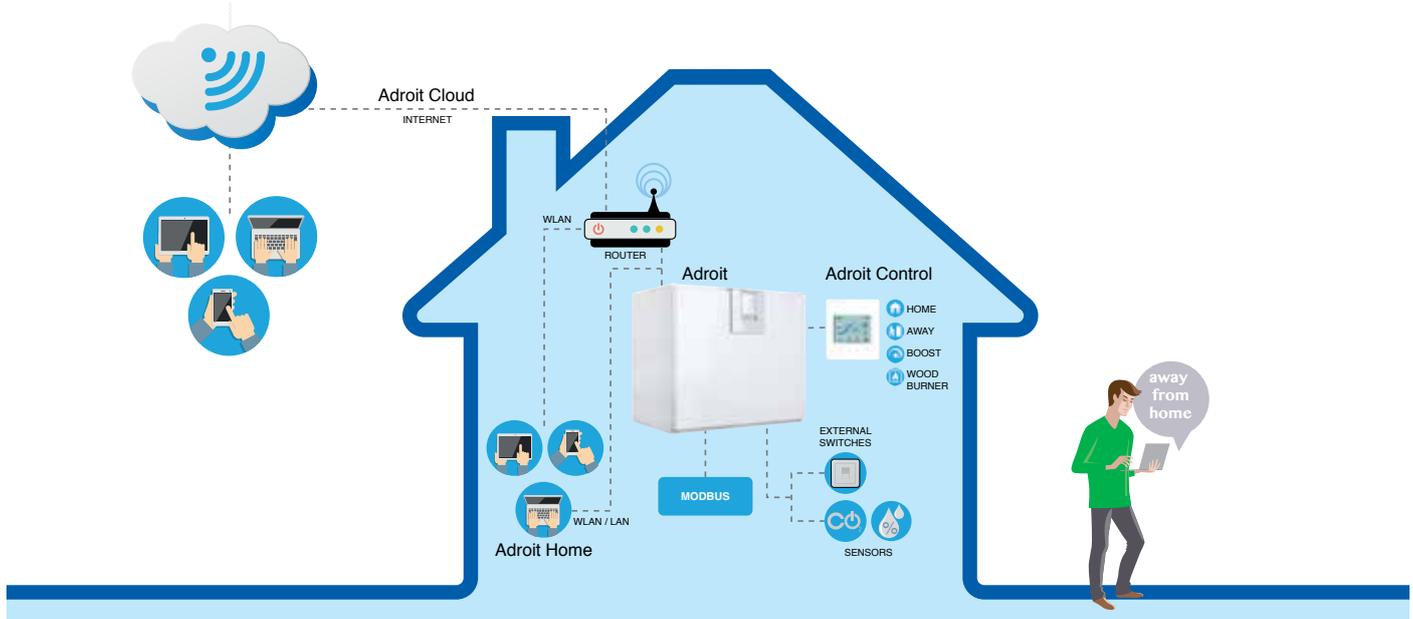
# VENTILATION CONTROL MADE EASY

Airflow Adroit ventilation units make controlling your indoor ventilation so easy. Simply adjust your Adroit using 4 different profiles: Home, Away, Boost or Fireplace. Just choose the suitable one!

Not only can your ventilation be controlled with the controller, but also via the Adroit Cloud service. The service gives you the potential to manage the ventilation of your home remotely over the internet, for example with your smartphone. The intelligent, interactive Adroit ventilation unit can also be connected to your home automation system and the home network.

Adroit units have an integrated humidity sensor that monitors the humidity level of your home and automatically adjusts the ventilation to the optimal level and ensures that you always enjoy high quality indoor air. The efficient energy recovery doesn't waste the heat of the outgoing exhaust air, but uses it to warm the fresh air being supplied from outdoors.

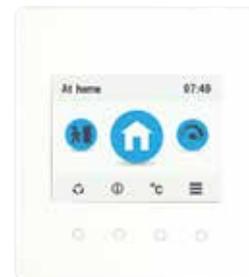
Adroit's energy efficiency is further improved by boosting or reducing its ventilation, either manually or automatically, through sensors based on your current need. The Adroit even reminds you when the filters need to be changed – as easy as it can be!



## INTELLIGENT PROFILE CONTROL

The Adroit's control panel is easy to use, with intuitive icons and a coloured display. The elegant control panel makes it easy to adjust your ventilation.

Profile-based control also saves you energy. The handy week clock allows you to program the ventilation profiles around your personal routine. You can, for example, set the ventilation to Boost from optional room switches or automatically from optional CO<sub>2</sub> or humidity sensors. Fireplace ensures safe ventilation in rooms whilst carbon fuel fires are in use. Proper, energy efficient ventilation is only a click away.



Home



Away



Boost



Fireplace function



# CONTROL AND CONNECTIVITY

## CONTROL AND CONNECTIVITY



### INTERNET

'Smart' control from your PC, tablet and smartphone for 'on-demand' connectivity.



### GRAPHICAL CONTROL PANEL

The new Adroit control panel guides you through every step to get you started. The coloured display is intuitive and easy to use.



### CLOUD SERVICE

By registering the unit with the Adroit Cloud service, you can control it via your internet connection. With the user's permission, the Airflow technical support team can connect to the unit and monitor its functions remotely.



### HOME NETWORK

You can connect the unit to your network and control it with a computer or a mobile device that is connected wirelessly into the network.



### HOUSE AUTOMATION

You can connect the ventilation unit into home automation systems through the Modbus.

# Adroit™

After registering with the Adroit Cloud service, you can control the ventilation unit wherever you are using a smartphone, tablet or computer.

The Adroit Cloud user interface is easy to use with all devices.

## SENSORS AND ADDITIONAL SWITCHES



### HUMIDITY SENSOR

Adroit units have an integrated humidity sensor that boosts ventilation as needed, for instance, after a bath or shower. The ventilation level is then reduced automatically when the excess humidity has been removed. You can also have additional humidity sensors for rooms where the humidity levels fluctuate, such as in bathrooms or kitchens.



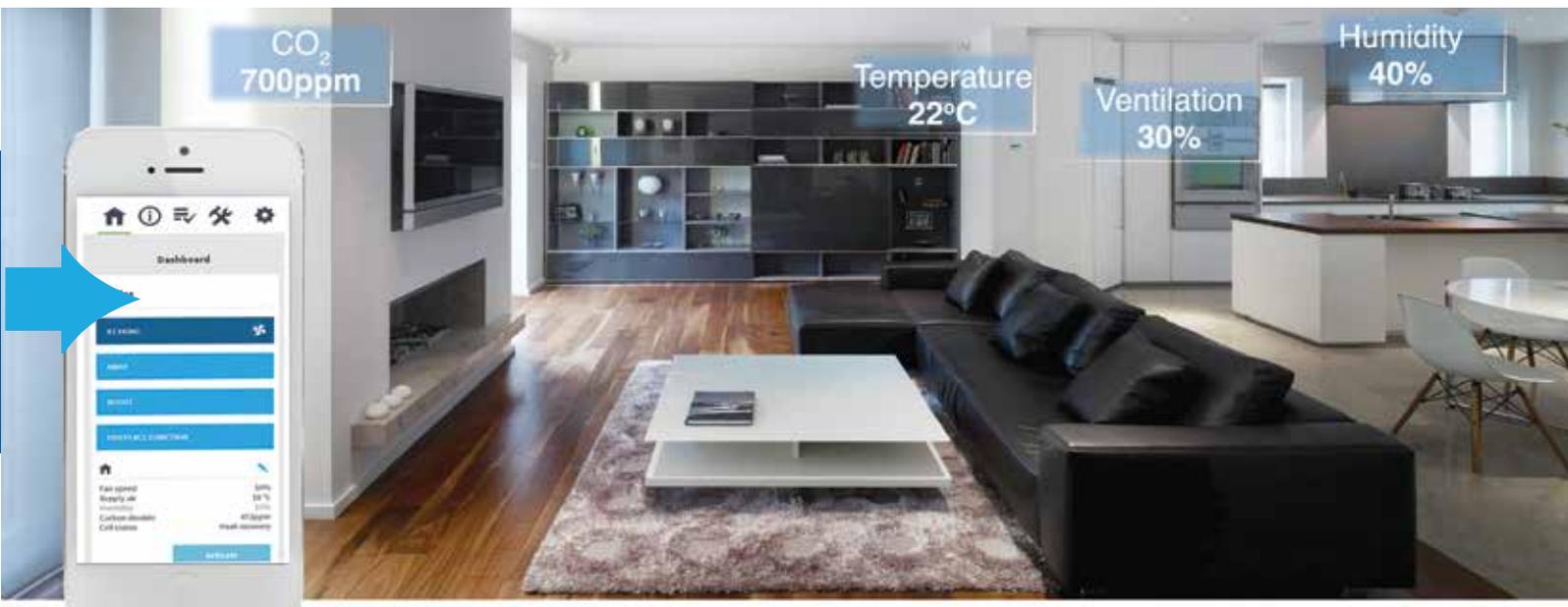
### CARBON DIOXIDE SENSOR

You can totally automate your ventilation by purchasing a carbon dioxide sensor. It automatically boosts the ventilation when the carbon dioxide level rises. This keeps the indoor air fresh and oxygen rich even if the house is full of people.



### ADDITIONAL SWITCHES

You can install two external switches to control your ventilation, for example one in the kitchen for turning on the Boost profile and another by the front door for changing the ventilation between Home and Away. Cooker hood boosting is also possible when a compatible cooker hood is used.



# ADROIT CONTROL AND SENSOR OPTIONS

## 1. Adroit Digital Controller - 90000610

Wall mounted, LCD display with four 100% independently user adjustable air flow profiles (Home, Away, Boost and Fireplace). A range of indoor parameters i.e.: air flow rates, temperature, humidity, summer by-pass, time clock settings, CO<sub>2</sub> sensor, filter alert are adjustable to suit your indoor environment. Internet connectivity via Adroit 'Cloud' for control at home or on the go.

Examples of user adjustable displays



## 2. Adroit CO<sub>2</sub> Transmitter - 90000613

A sensor that actively monitors the CO<sub>2</sub> levels of rooms where occupancy levels typically vary, such as living rooms and bedrooms. This sensor enables the level of ventilation to be adjusted based on the CO<sub>2</sub> levels relative to occupancy so that it remains within healthy levels.



## 3. Adroit Relative Humidity Transmitter - 90000612

This wall mounted sensor can be installed in wet rooms such as bathrooms and kitchens where relative humidity varies according to usage. Automatically activates boost speed when required.

## 4. Adroit Speed Controller – 9041219

Wall mounted, 4 speed (independently adjustable) rotary switch air flow controller.



## 6. KNX-Converter - 90000723

The KNX-Converter enables the Adroit system to be connected to Building Management Systems via the Modbus protocol.



## 5. Adroit Boost Switch – 90000542

A rocker switch that can be used to manually boost the ventilation rate of the Adroit system



# Adroit™

The new generation of Adroit units efficiently use the heat of extracted air to warm the incoming air. Airflow Adroits offer everything you need for an effective ventilation system: a ventilation unit, intelligent control and a practical and hygienic, "zero leakage" Airflex Pro ducting system. Choose Adroit and breathe easy.

Visit [airflow.com](http://airflow.com) for information about the range.



DV245      DV145      DV110      DV96      DV50 and DV80



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